

Converting Colors

XYZ(77.5371, 84.1172,
106.7573)

Have a look what the booklet for
XYZ(77.5371, 84.1172, 106.7573)
contains.

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Color

**XYZ(77.5290, 84.1391,
106.7620)**

Conversions

Conversions Part 1

Format	Color
Hex	D8F0FF
RGB	216, 240, 255
RGB Percent	85%, 94%, 100%
CMY	0.1529, 0.0588, 0.0000
CMYK	0.15, 0.06, 0.00, 0.00
HSL	203°, 100%, 92%
HSV	203°, 15%, 100%
XYZ	77.5290, 84.1391, 106.7620
YIQ	234.5340, -19.1190, -0.4230

Conversions

Conversions Part 2

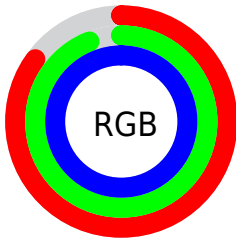
Format	Color
R _Y B	216, 231, 255
Decimal	14217471
CIE Lab	93.51, -4.86, -9.88
CIE LCh	94, 11.010, 243.829
Yxy	84.1391, 0.2888, 0.3134
Android (android.graphics.Color)	4292407551 (0xFFD8F0FF)
YUV	234.5340, 10.0897, -16.2543
Hunter-Lab	91.7274, -9.6527, -4.7988

Details

The XYZ color **77.5290, 84.1391, 106.7620** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **82.2102, 83.3684, 76.7262**, and the grayscale version is **78.5496, 82.6403, 89.9953**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.0315, 45.9353, 60.0772** is the 20% darker color. If you saturate the color by 10%, you get **67.7635, 74.9370, 105.5005**, and if you desaturate by 10%, it is **88.6240, 94.2626, 108.1313**.

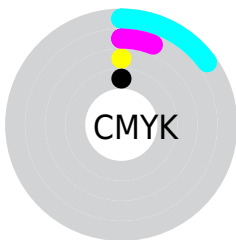
Distribution



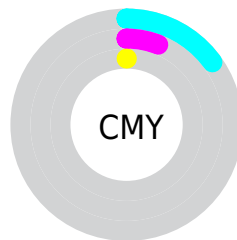
- Red (85%)
- Green (94%)
- Blue (100%)



- Red (85%)
- Yellow (91%)
- Blue (100%)



- Cyan (15%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)



- Cyan (15%)
- Magenta (6%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.5290, 84.1391, 106.7620 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 77.5290, 84.1391, 106.7620 by changing the saturation by 10% instead.

■ 77.5290, 84.1391,
106.7620

■ 77.5290, 84.1391,
106.7620

475.4301,
508.7750, 603.0924

■ 57.9886, 63.1303,
81.3114

128.8548,
139.1697, 172.5517

■ 42.0427, 45.9466,
60.2656

161.3710,
173.9604, 213.7280

■ 29.3260, 32.2037,
43.2061

198.9430,
214.1137, 260.9832

■ 19.4731, 21.5171,
29.7142

241.9364,
260.0141, 314.7358

■ 12.1186, 13.5025,
19.3716

290.7165,
312.0461, 375.4046

■ 6.8973, 7.7755,
11.7595

345.6485,

■ 3.4437, 3.9516,

370.5940, 443.4079

6.4596

407.0979,
436.0422, 519.1643

■ 1.3925, 1.6465,
3.0532

■ 0.2509, 0.3887,
1.1219

■ 77.5290, 84.1391,
106.7620

■ 77.5290, 84.1391,
106.7620

■ 67.7635, 74.9370,
105.5005

■ 88.6240, 94.2626,
108.1313

■ 59.2646, 66.6136,
104.3419

95.0500, 100.0000,
108.9000

■ 51.9741, 59.1374,
103.2831

■ 45.8263, 52.4707,
102.3203

■ 40.7487, 46.5722,
101.4494

■ 36.6596, 41.3959,
100.6658

■ 33.4640, 36.8885,
99.9642

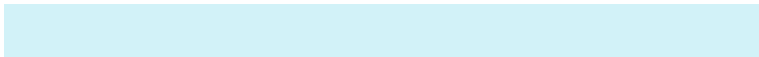
■ 31.0455, 32.9859,
99.3384

■ 30.0985, 31.3170,
99.0662

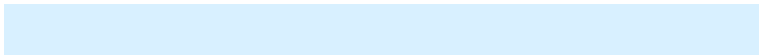
Harmonies

Analogous

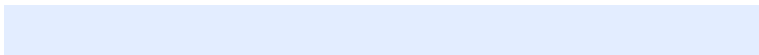
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.4128, 84.1391, 100.8279



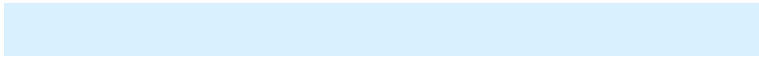
77.5290, 84.1391, 106.7620



80.3460, 84.1391, 108.5516

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.5290, 84.1391, 106.7620



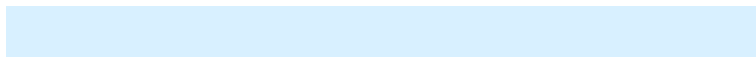
85.6859, 84.1391, 90.5470



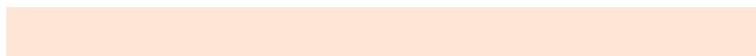
76.8967, 84.1391, 78.9349

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



77.5290, 84.1391, 106.7620



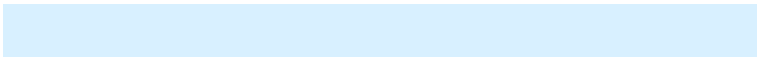
82.2102, 83.3684, 76.7262

Split Complementary

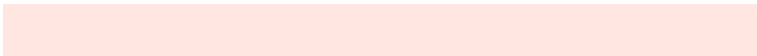
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.5986, 84.1391, 76.5353



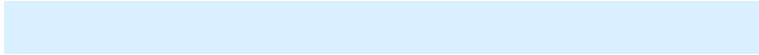
77.5290, 84.1391, 106.7620



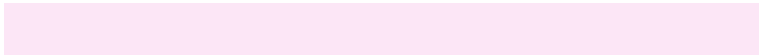
84.7107, 84.1391, 82.9777

Square

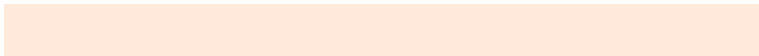
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



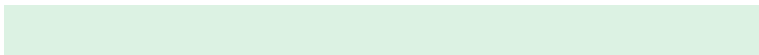
77.5290, 84.1391, 106.7620



85.0997, 84.1391, 98.8647



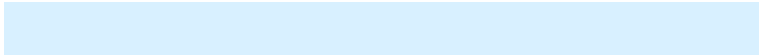
82.4652, 84.1391, 77.9697



75.0540, 84.1391, 84.7252

Rectangle

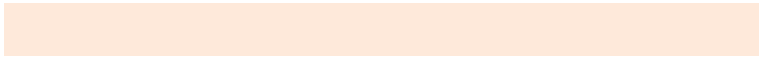
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.5290, 84.1391, 106.7620



82.2538, 84.1391, 107.0687



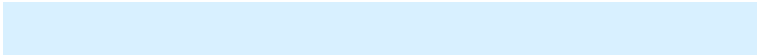
82.4652, 84.1391, 77.9697



77.7321, 84.1391, 77.7215

Sweetspot

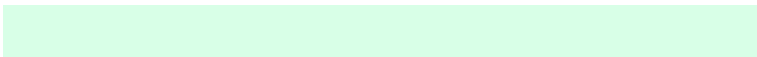
The Sweet Spot groups the original color and five complimentary colors.



77.5312, 84.1425, 106.7625



88.9697, 94.5733, 108.1730



78.4966, 91.8861, 89.1640



18.8662, 20.0834, 23.1321



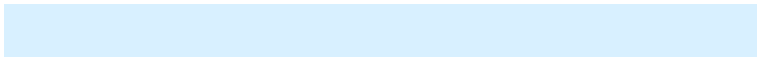
0.0000, 0.0000, 0.0000



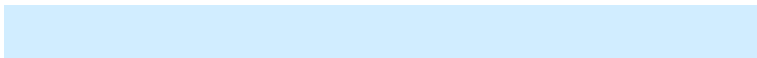
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.5312, 84.1425, 106.7625



74.7587, 81.5617, 106.4105



72.1080, 73.2961, 104.9548



17.9340, 19.2395, 23.0183



15.8761, 16.6619, 51.8139



1.6517, 1.8340, 5.0802

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



81.5254, 76.6646, 92.9429



79.4024, 73.0450, 90.3040



87.9607, 94.8694, 78.6430



18.4793, 18.1750, 21.1412



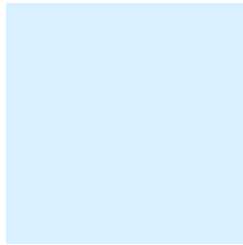
24.8017, 12.4100, 18.1383



2.4683, 1.2297, 2.0474

Previews

White Background



This preview shows how the XYZ color 77.5290, 84.1391, 106.7620 looks on a white background.

Color Contrast Check

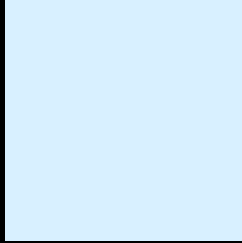
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 77.5290, 84.1391, 106.7620 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

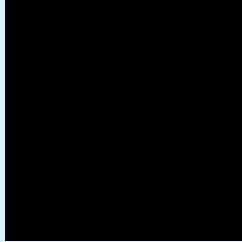
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

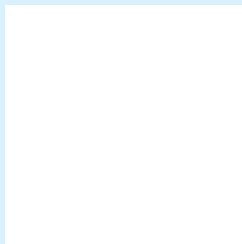
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.5290, 84.1391, 106.7620

Background



This preview shows how black text looks on a background with the XYZ color 77.5290, 84.1391, 106.7620.

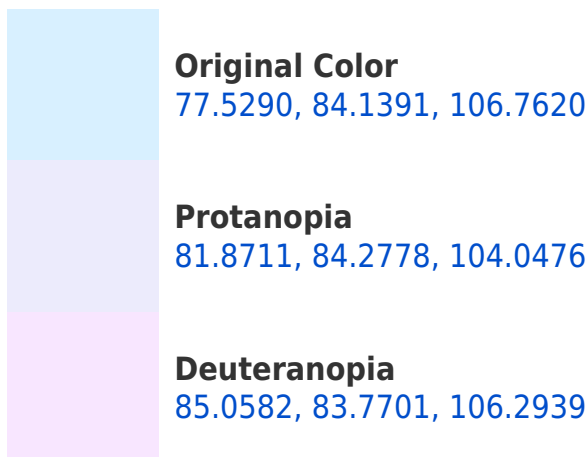


This preview shows how white text looks on a background with the XYZ color 77.5290, 84.1391,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy





Tritanopia

78.4317, 84.1686, 106.7201

Trichromacy



Original Color

77.5290, 84.1391, 106.7620

Protanomaly

80.3269, 84.3182, 104.9699

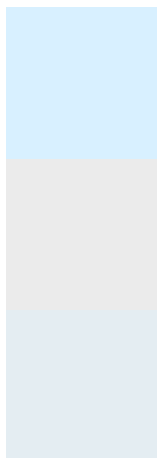
Deuteranomaly

82.0649, 83.8985, 106.4765

Tritanomaly

78.1299, 84.0131, 106.7060

Monochromacy



Original Color

77.5290, 84.1391, 106.7620

Achromatopsia

78.9647, 83.0770, 90.4708

Achromatomaly

78.3061, 83.4732, 95.9892

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.5290, 84.1391, 106.7620 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(216, 240, 255)` looks like.

```
.text, #text, p{  
    color:rgb(216, 240, 255)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(216, 240, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 240, 255) }
```

Border

The CSS property to change the border of an element to XYZ 77.5290, 84.1391, 106.7620 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(216, 240, 255) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(216, 240, 255) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(216, 240, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 240, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 240, 255);  
box-shadow:4px 4px 4px 4px rgb(216, 240,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 77.5290, 84.1391, 106.7620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 240, 255) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(216,  
240, 255) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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